ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES IN THE STATE OF NEW YORK

PHASE I - PRELIMINARY INVESTIGATION

FINAL REPORT

ROYAL CARTING SERVICE SITE

CONTRACT NO. D000452
NYSDEC SITE NO. 314011

Submitted To:
Division of Solid Waste
New York State
Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-0001

Submitted By:
Woodward-Clyde Consultants, Inc.
1250 Broadway, 15th Floor
New York, New York 10001

September 26, 1984

82C4548

1250 Broadway, 15th Floor
New York, New York 10001
212-926-2878 (NY/NJ)
212-594-2118 (Direct)
Telex 133-541

Woodward-Clyde Consultants, Inc.

September 26, 1984
82C4548

New York State Department of Environmental Conservation
Division of Solid Waste
Room 209
50 Wolf Road
Albany, New York 12233

Attention: Mr. Norman H. Nosenchuck
Director

Subject: Engineering Investigations at Inactive Hazardous Waste Sites in the State of New York
Phase I - Preliminary Investigation
Royal Carting Service
NYSDEC No. 314011
EPA No. NYD002426757

Dear Sir:

This report presents the results of our Preliminary Investigation of the Royal Carting Service site in Dutchess County, New York. This preliminary investigation fulfills the requirements of Phase I of our Contract No. D000452 to perform engineering investigations at 40 inactive hazardous waste sites in the State of New York. Phase II involves field investigation services at the sites.

The objective of Phase I was to:

- collect and review data
- perform a site reconnaissance
- prepare a draft Hazard Ranking System (HRS) and Documentation
- develop a specific site work plan for Phase II
- develop Phase II site investigation costs
- identify known responsible parties
- prepare a summary report

This report contains six sections. Section 1.0 includes a description of the site. Section 2.0 presents the preliminary HRS work sheets, the HRS documentation records, and EPA site assessment forms (2070-12 and 2070-13). Section 3.0 provides a brief summary of the history of site activities. Section 4.0 includes a discussion of existing site data. Section 5.0 provides an assessment of the data adequacy identifying major data gaps. Lastly, Section 6.0 presents the recommended Phase II Site Investigation Work Plan and costs. Sampling and analysis plans and the health and safety plans are not included. These are to be supplied by NYSDEC.

The Royal Carting Service site was originally used as a disposal facility for various forms of mixed municipal and industrial wastes. From 1950 to 1962, the site accepted several hundred 35- and 55-gallon drums and cans of waste chemicals which were subsequently found to be non-hazardous. These drums were buried in a shallow pit onsite and later removed to a NYSDEC-approved disposal area.

The remote site is located in a rural area of East Fishkill. A tributary to Sprout Creek lies about 100 feet to the north. Freshwater wetlands occur within several hundred feet of the site. Griffins Tavern, listed on the State and National Registers of Historic Places, lies within several hundred feet of the access road to the site. All Angel Bog, a State-designated Significant Habitat, occurs approximately 2700 feet to the southwest.

The Royal Carting Service site is reportedly owned by Emile Panichi, Rt. 82, Hopewell Junction, New York.

The HRS scores developed for the Royal Carting Service site are as follows:

S_M = 0.0 (S_{gw} = 0.0 S_{sw} = 0.0 S_a = 0.0)
S_{FE} = N/A
S_{DC} = 0.0

In scoring the site, Ground Water, Surface Water and Direct Contact route scores were all set at zero due to incomplete factor data. A total of ten factors were scrutinized using incomplete data. Much of the data inadequacies are due to the fact that it is not known what, if any, hazardous wastes have been disposed of onsite.

The proposed work plan for Phase II activities is specifically designed to address the data gaps identified. We have proposed a limited geophysical survey, the installation of three monitoring wells, two test pits, and limited surface water, sediment and soil sampling. A detailed description of the work plan and costs is provided in Section 6.0. The total estimated cost for Phase II investigations at the Royal Carting Service site is $27,510.

If there are any questions or comments concerning the work plan or any other portion of the Phase I report, please do not hesitate to contact us.

Very truly yours,

Donald R. Ganser,
Project Manager

DRG:jc
enclosure
C716/134

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1.0
SITE DESCRIPTION

The Royal Carting Service site is located one-mile southwest of the intersection of Route 82 and Hopewell-Wappingers Road, and 0.2 miles northeast of All Angels Road and Route 82, on the north side of Route 82 in the Town of East Fishkill (Figure 1). The site was originally used as a disposal facility for miscellaneous waste streams. Today, it is inactive and is utilized for storage of empty dumpsters.

At the time of the WCC Site Survey in April of 1983, miscellaneous trash was observed strewn about the property. The pit where waste drums had been excavated had been backfilled. Several rusty 55-gallon drums, which appeared to be empty, were also observed. A large area of standing water was noted at the back (north) end of the site.

2.0

U.S. ENVIRONMENTAL PROTECTION AGENCY DOCUMENTATION

This section includes documentation records and work sheets required to develop Hazard Ranking System (HRS) scores. In addition, two EPA forms regarding site inspection and preliminary assessment have been completed and are included as required.

Documents included in this section are:

1. Preliminary Hazard Ranking System (HRS) Work Sheets
2. Documentation Records for HRS
3. EPA Form 2070-12 (Preliminary Assessment)
4. EPA Form 2070-13 (Site Inspection Report)

All forms were prepared as completely as possible using information available from county, state, and federal agency files. Unfortunately, available information on the site was generally sparse. The interview with Emile Panichi, current owner of the site, conducted during the WCC Site Survey proved to be one of the most useful data sources. The Dutchess County Department of Health (DCDH) also provided limited site specific data.

All information provided in the Documentation Records for HRS are referenced, and copies of pertinent information are included in Appendix B. Analytical results are also included in Appendix B.

2.1 Preliminary HRS Work Sheets

Facility Name: Royal Carting Service

Location: Route 82, Hopewell Junction, Dutchess Co. NY

EPA Region: II

Person(s) in Charge of the Facility: Emile Panichi, Owner
Route 82
Hopewell Junction, NY 12533

Name of Reviewer: C. Mancini, WCC **Date:** 6 Sept. 83

General Description of the Facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

From 1950-1962 hundreds of 35 and 55 gallon drums containing non-hazardous waste chemicals from the Texaco Research Center were stored at the site. The drums have been removed, but it is unknown what, if any, additional wastes are buried in the site vicinity. Data for S_{gw}, S_{sw} & S_{DC} were inadequate for complete HRS Scoring of the site.

Scores: S_M = 0.0 (S_{gw} = 0.0 S_{sw} = 0.0 S_a = 0.0)

S_{FE} = N/A

S_{DC} = 0.0

GROUND WATER ROUTE WORK SHEET

	Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1	Observed Release	(0) 45	1	0	45	3.1
	If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2	Route Characteristics					3.2
	Depth to Aquifer of Concern	0 1 2 (3)	2	6	6	
	Net Precipitation	0 1 2 (3)	1	3	3	
	Permeability of the Unsaturated Zone	0 1 2 (3)	1	3	3	
	Physical State	[0] 1 2 3	1	0	3	
	Total Route Characteristics Score			12	15	
3	Containment	0 [1] 2 3	1	1	3	3.3
4	Waste Characteristics					3.4
	Toxicity/Persistence	[0] 3 6 9 12 15 18	1	0	18	
	Hazardous Waste Quantity	[0] 1 2 3 4 5 6 7 8	1	0	8	
	Total Waste Characteristics Score			0	26	
5	Targets					3.5
	Ground Water Use	0 1 (2) 3	3	6	9	
	Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 24 30 32 35 (40)	1	40	40	
	Total Targets Score			46	49	
6	If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			0	57,330	
7	Divide line 6 by 57,330 and multiply by 100	S_{gw} = 0.0*				

* Users Manual, p7 - If data are lacking for more than one factor in connection with the evaluation of a route score, that score is set at 0.

SURFACE WATER ROUTE WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	4.1
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					4.2
Facility Slope and Intervening Terrain	0 1 (2) 3	1	2	3	
1-yr. 24-hr. Rainfall	0 1 (2) 3	1	2	3	
Distance to Nearest Surface Water	0 1 2 (3)	2	6	6	
Physical State	0 1 2 [3]	1	3	3	
Total Route Characteristics Score			13	15	
3 Containment	0 [1] 2 3	1	1	3	4.3
4 Waste Characteristics					4.4
Toxicity/Persistence	[0] 3 6 9 12 15 18	1	0	18	
Hazardous Waste Quantity	[0] 1 2 3 4 5 6 7 8	1	0	8	
Total Waste Characteristics Score			0	26	
5 Targets					4.5
Surface Water Use	(0) 1 2 3	3	0	9	
Distance to a Sensitive Environment	0 1 (2) 3	2	4	6	
Population Served/Distance to Water Intake Downstream	(0) 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
Total Targets Score			4	55	
6 If line 1 is 45, multiply 1 x 4 x 5. If line 1 is 0, multiply 2 x 3 x 4 x 5			0	64,350	
7 Divide line 6 by 64,350 and multiply by 100	S_{sw} = 0.0*				

*Users Manual, p7. If data are lacking for more than one factor in connection with the evaluation of a route score, that score is set at zero.

AIR ROUTE WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	5.1
Date and Location:					
Sampling Protocol:					
If line 1 is 0, the S = 0. Enter on line 5. If line 1 is 45, then proceed to line 2.					
2 Waste Characteristics					5.2
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score			20	
3 Targets					5.3
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
	Total Targets Score			39	
4 Multiply 1 x 2 x 3			0	35,100	
5 Divide line 4 by 35,100 and multiply by 100	S_a = 0.0				

	S	S^2
Groundwater Route Score (S_{gw})	0	
Surface Water Route Score (S_{sw})	0	
Air Route Score (S_a)	0	
$S_{gw}^2 + S_{sw}^2 + S_a^2$		
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73$		$S_M = 0$

WORKSHEET FOR COMPUTING S_M

N/A

FIRE AND EXPLOSION WORK SHEET

	Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1	Containment	1 3	1		3	7.1
2	Waste Characteristics					7.2
	Direct Evidence	0 3	1		3	
	Ignitability	0 1 2 3	1		3	
	Reactivity	0 1 2 3	1		3	
	Incompatibility	0 1 2 3	1		3	
	Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score				20	
3	Targets					7.3
	Distance to Nearest Population	0 1 2 3 4 5	1		5	
	Distance to Nearest Building	0 1 2 3	1		3	
	Distance to Sensitive Environment	0 1 2 3	1		3	
	Land Use	0 1 2 3	1		3	
	Population Within 2-Mile Radius	0 1 2 3 4 5	1		5	
	Buildings Within 2-Mile Radius	0 1 2 3 4 5	1		5	
	Total Targets Score				24	
4	Multiply 1 x 2 x 3				1,440	
5	Divide line 5 by 1,440 and multiply by 100			S_{FE} = N/A		

DIRECT CONTACT WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Incident	(0) 45	1	0	45	8.1
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2 Accessibility	0 1 2 (3)	1	3	3	8.2
3 Containment	0 [15]	1	15	15	8.3
4 Waste Characteristics Toxicity	0 [1] 2 3	5	5	15	8.4
5 Targets					8.5
Population Within a 1-Mile Radius	0 1 2 3 (4) 5	4	16	20	
Distance to a Critical Habitat	0 1 (2) 3	4	8	12	
Total Targets Score			24	32	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5				21,600	
7 Divide line 6 by 21,600 and multiply by 100	S_{DC} = 0*				

* Users Manual, p7 - If data are lacking for more than one factor in connection with the evaluation of a route score, that score is set at 0.

2.2 Documentation Records For HRS

DOCUMENTATION RECORDS FOR HAZARD RANKING SYSTEM

INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME: Royal Carting Service

LOCATION: Route 82, Hopewell Junction, Dutchess County, New York

GROUND WATER ROUTE

1. OBSERVED RELEASE

Contaminants detected (5 maximum):

None.

Rationale for attributing the contaminants to the facility:

N/A.

* * *

2. ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) of concern:

1. Surficial stratified deposits of sand and gravel.
2. Stockbridge limestone (bedrock aquifer).

(Simmons, Grossman & Heath, 1961).

Depth(s) from the ground surface to the highest seasonal level of the saturated zone (water table(s)) of the aquifer of concern:

1. Surficial sand and gravel - 18 to 20 feet.
2. Stockbridge limestone - approximately 50 feet.

(Simmons, Grossman & Heath, 1961).

Depth from the ground surface to the lowest point of waste disposal/storage:

Unknown.

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

46 inches (User's Manual).

Mean annual lake or seasonal evaporation (list months for seasonal):

29 inches (User's Manual).

Net precipitation (subtract the above figures):

17 inches.

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Hoosic gravelly loam (USDA, 1939; WCC Site Survey, 1983).

Permeability associated with soil type:

Greater than 10^{-3} cm/sec (User's Manual).

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Unknown.

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Unknown.

Method with highest score:

N/A (User's Manual).

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Unknown.

Compound with highest score:

N/A.

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Unknown.

Basis of estimating and/or computing waste quantity:

N/A.

5. TARGETS

Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Private potable water supply (DCDH, 1983).

Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

Rt. 82, owner's potable water (WCC Site Survey, 1983).

Distance to above well or building:

Approximately 750 feet (WCC Site Survey, 1983).

Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

Unknown, probably all private wells (DCDH, 1983).

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

Unknown.

Total population served by ground water within a 3-mile radius:

More than 10,000 (Donnelly Marketing, 1982; DCDH, 1983).

SURFACE WATER ROUTE

1. OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

None.

Rationale for attributing the contaminants to the facility:

N/A.

2. ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

3% (WCC Site Survey, 1983).

Name/description of nearest downslope surface water:

Tributary to Sprout Creek (WCC Site Survey, 1983; USGS, 1981).

Average slope of terrain between facility and above-cited surface water body in percent:

5 to 8% (WCC Site Survey, 1983).

Is the facility located either totally or partially in surface water?

Yes, partially (WCC Site Survey, 1983; USGS, 1981; NYSDEC, 1980b).

Is the facility completely surrounded by areas of higher elevation?

No (WCC Site Survey, 1983; USGS, 1981).

1-Year 24-Hour Rainfall in Inches

2.9 inches (User's Manual).

Distance to Nearest Downslope Surface Water

Approximately 100 feet (WCC Site Survey, 1983).

Physical State of Waste

Unknown.

* * *

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Unknown.

Method with highest score:

N/A.

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

N/A.

Compound with highest score:

N/A.

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

Unknown.

Basis of estimating and/or computing waste quantity:

N/A.

* * *

5. TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

Possibly light recreational.

Is there tidal influence?

No.

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

N/A.

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

Approximately 700 feet to state-designated wetlands (NYSDEC, Division of Fish and Wildlife, 1975).

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

All Angel Bog, a NYS-designated Significant Habitat is located approximately 2500 feet SW of site (NYSDEC, Division of Fish and Wildlife, 1983).

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

None (DCDH, 1983).

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

N/A.

Total population served:

N/A.

Name/description of nearest of above water bodies:

N/A.

Distance to above-cited intakes, measured in stream miles:

N/A.

AIR ROUTE

1. OBSERVED RELEASE

Contaminants detected:

No evidence.

Date and location of detection of contaminants:

N/A.

Methods used to detect the contaminants:

N/a.

Rationale for attributing the contaminants to the site:

N/A.

* * *

2. WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Unknown.

Most incompatible pair of compounds:

N/A.

Toxicity

Most toxic compound:

N/A.

Hazardous Waste Quantity

Total quantity of hazardous waste:

Unknown.

Basis of estimating and/or computing waste quantity:

N/A.

* * *

3. TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi	0 to 1 mi	0 to 1/2 mi	0 to 1/4 mi
37,610	3,911	535	-

(Donnelly Marketing, 1982).

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

N/A.

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

Approximately 700 feet to NYS-designated freshwater wetlands (NYSDEC, Division of Fish and Wildlife, 1975).

Distance to critical habitat of an endangered species, if 1 mile or less:

All Angel Bog, a NYS-designated Significant Habitat is located approximately 2500 feet southwest of site (NYSDEC, Division of Fish and Wildlife, 1983).

Land Use

Distance to commercial/industrial area, if 1 mile or less:

None observed (WCC Site Survey, 1983).

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

None (USGS, 1981).

Distance to residential area, if 2 miles or less:

Approximately 400 feet (WCC Site Survey, 1983).

Distance to agricultural land in production within past 5 years, if 1 mile or less:

None (NYS Department of Agriculture and Markets, 1983; WCC Site Survey, 1983).

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

None (NYS Department of Agriculture and Markets, 1983).

Is a historic or landmark site (National Register of Historical Places and National Natural Landmarks) within the view of the site?

Griffin's Tavern may be visible from the access road. This site is on the State and National Registers of Historic Places (NYS Parks and Recreation, Division for Historic Preservation, 1983).

2.3 EPA Form 2070-12
(Preliminary Assessment)

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

EPA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: NYD002426757

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Royal Carting Service	Route 82				
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Hopewell Junction, E. Fishkill	NY	12524	Dutchess	027	
09 COORDINATES LATITUDE: 41 34 05.0	LONGITUDE: 073 50 50.0				

10 DIRECTIONS TO SITE (Starting from nearest public road)
One mile south west of the intersection of Route 82 and Hopewell-Wappingers Road, and 2/10 of a mile northeast of All Angels Hill Road and Route 82 on the north side of Route 82 in the Town of East Fishkill.

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)			
Emile Panichi	Rt. 82			
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	
Hopewell Junction	NY	12533	(914) 896-6000	
07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)			
Same.				
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER	
			( )	

13 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES ☐ NO DATE 04/26/83 (MONTH DAY YEAR)
BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☐ C. STATE ☒ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): Woodward Clyde Consultants, Inc.

02 SITE STATUS (Check one)
☐ A. ACTIVE ☒ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
1950 (BEGINNING YEAR) | 1962 (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Several hundred drums of non-hazardous materials have already been removed. It is not known what if any additional wastes have been disposed of at the site.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Proximity to wetlands and surface waters, rapidly permeable soils and depth to ground water about 18' would present potential hazards if any wastes have been disposed of.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☒ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)			03 TELEPHONE NUMBER
				( )
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Donald R. Ganser		Woodward-Clyde Consultants, Inc.	212 926-2878 (201) 785-0700	09/01/83 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	[illegible]

NYD002426757

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER Unknown (Specify)
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____

CUBIC YARDS Unknown

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply) Unknown

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE – No information available –

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

(NYSDEC Files; USGS Hopewell Junction, NY Quadrangle, 7.5 min. topographic map, 1981)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE: NY	02 SITE NUMBER: NYD002426757

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — [X] POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
Proximity to wetlands, rapidly permeable soils, 18' depth to ground water

01 [X] B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — [X] POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
located approximately 100' from tributary to Sprout Creek.

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
No information available (N/A)

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 [X] F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) — [X] POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) — 04 NARRATIVE DESCRIPTION

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	[illegible] NYD002426757

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

N/A

01 ☒ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Proximity to wetlands

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

N/A

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: 3911 within 1 mile

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

(WCC Site Survey, 1983; Donnlley Marketing, 1982)

EPA FORM 2070-12 (7-81)

2.4 EPA Form 2070-13
(Site Inspection Report)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: NYD002426757

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Royal Carting Service	Route 82				
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Hopewell Junction, E. Fishkill	NY	12524	Dutchess	027	

09 COORDINATES: LATITUDE 41 34 05.0 | LONGITUDE 073 50 50.0

10 TYPE OF OWNERSHIP (Check one): [X] A. PRIVATE [ ] B. FEDERAL _____ [ ] C. STATE [ ] D. COUNTY [ ] E. MUNICIPAL [ ] F. OTHER _____ [ ] G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
04 / 26 / 83 (MONTH DAY YEAR)	[ ] ACTIVE [X] INACTIVE	1950 (BEGINNING YEAR) 1962 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
[ ] A. EPA [ ] B. EPA CONTRACTOR _____ [ ] C. MUNICIPAL [ ] D. MUNICIPAL CONTRACTOR _____ (Name of firm)
[ ] E. STATE [X] F. STATE CONTRACTOR Woodward Clyde Consult. Inc. (Name of firm) [ ] G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
M.A. Khoury	Ass. Project Engineer	Woodward-Clyde Consultants	(201) 785-0700

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
			( )
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Emile Panichi	Owner	Rt. 82, Hopewell Junct., NY	(914) 896-6000
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
[X] PERMISSION [ ] WARRANT	1330	Cloudy ; 60°F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Emile Panichi	Owner, Royal Carting Service	(914) 896-6000

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Donald R. Ganser		Woodward-Clyde Consultants	(212) 926-2878 (201) 785-0700 Inc.	09 / 01 / 83 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	NYD002426757

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER Unknown (Specify)
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____

CUBIC YARDS Unknown

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply) Unknown

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE None Known

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NYSDEC Files

EPA FORM 2070-13(7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	8900101[illegible]
NYD002426757	

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 X A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — X POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
Proximity to wetlands, rapidly permeable soils, 18' depth to ground water.

01 X B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
located approximately 100' from tributary to Sprout Creek.

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
No information available (N/A)

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 X F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) — X POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) — 04 NARRATIVE DESCRIPTION

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: NYD002426757

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
N/A

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)
N/A

01 ☒ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Proximity to wetlands

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
N/A

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
N/A

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
N/A

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
N/A

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: 3911 within 1 mile

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analyses, reports)
(NYSDEC, 1975; USDA 1939; USGS 1981; WCC Site Survey 1983)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	[illegible] NYD002426757

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☒ G. STATE (Specify)	3A-003	10·5·82	10·22·82	Waste Transporter Permit
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☒ H. OPEN DUMP	Unknown	
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply) None

- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER

- ☒ A. BUILDINGS ON SITE

06 AREA OF SITE

≈ 5 (Acres)

07 COMMENTS

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one) Unknown

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Original wastes were contained in rusty, leaking drums. Containment of any additional wastes which may have been disposed of on-site is unknown

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO

02 COMMENTS: Site is surrounded by a complete barrier, with controlled entry and is posted. Once on the site, waste area is easily accessible.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

(NYSDEC, 1982a ; WCC Site Survey 1983)

EPA FORM 2070-13 (7-81)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: NJD002426757

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A. ☐	B. ☐
NON-COMMUNITY	C. ☐	D. X

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ☐
D. ☐	E. ☐	F. X

03 DISTANCE TO SITE
A. _____ (mi)
B. 400' (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)
☐ A. ONLY SOURCE FOR DRINKING
X B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)
☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available)
☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER: more than 10,000 within 3 miles
03 DISTANCE TO NEAREST DRINKING WATER WELL: 400' (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
18 (ft)	southwest	18 (ft)	unknown (gpd)	☐ YES X NO

09 DESCRIPTION OF WELLS (Including storage, depth, and location relative to population and buildings)
Well owned by E. Panichi, owner - tested twice yearly.

10 RECHARGE AREA	COMMENTS	11 DISCHARGE AREA	COMMENTS
X YES ☐ NO		☐ YES ☐ NO	

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)
☐ A. RESERVOIR, RECREATION DRINKING WATER SOURCE
☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES
☐ C. COMMERCIAL, INDUSTRIAL
X D. NOT CURRENTLY USED
Possibly light recreation

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
tributary to Sprout Creek	☐	100' (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (4) MILES OF SITE
A. 3911 NO. OF PERSONS	B. 12,386 NO. OF PERSONS	C. 37610 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION
Several hundred feet. (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE
Approximately 3000

04 DISTANCE TO NEAREST OFF-SITE BUILDING
400' (mi)

06 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)
Site is located in remote, rural area.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: [illegible] NYD002426757

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)
☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☒ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)
☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☒ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
≈ 50 (ft)	Unknown (ft)	Unknown	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
17 (in)	2.9 (in)	3 %	West	5-8 %

09 FLOOD POTENTIAL
SITE IS IN — YEAR FLOODPLAIN

10
☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. — (mi)	B. 700' (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)
Significant 2500' (mi)
ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO: COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
A. None observed (mi)	B. 400' (mi)	C. None (mi)	D. None (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Site is in a relatively low lying area in the vicinity of Sprout Creek. Approximate elevation is 230' above MSL. On-site topography is variable but in the range of 3%. There is a general downward slope toward the back (northwest) of the site.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

(WCC site Survey 1983; USGS 1981; Users Manual; NYSDEC, 1983; Donnlley Marketing 1982; Simmons, Grossman and Heath, 1961; NYSDA&M 1983)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION
01 STATE: NY
02 SITE NUMBER: NYD002426757

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE	3	Camo Laboratories	1-27-82
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF Woodward-Clyde Consultants
(Name of organization or individual)

03 MAPS ☒ YES ☐ NO

04 LOCATION OF MAPS Woodward-Clyde Consultants

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

(Camo Labs, 1982 ; WCC Site Survey)

EPA FORM 2070-13 (7-81)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

EPA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: NYD002426757

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Emile Panichi		Rt. 82		Hopewell Junction	NY	12533

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Unknown						

IV. REALTY OWNER(S) (If applicable, list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

(WCC Site Survey 1983)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE: NY | 02 SITE NUMBER: NYD002436757

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME: None | 02 D+B NUMBER | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | 04 SIC CODE | 05 CITY | 06 STATE | 07 ZIP CODE | 08 YEARS OF OPERATION | 09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME | 11 D+B NUMBER | 12 STREET ADDRESS (P.O. Box, RFD #, etc.) | 13 SIC CODE | 14 CITY | 15 STATE | 16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME: Unknown | 02 D+B NUMBER | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | 04 SIC CODE | 05 CITY | 06 STATE | 07 ZIP CODE | 08 YEARS OF OPERATION | 09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME | 11 D+B NUMBER | 12 STREET ADDRESS (P.O. Box, RFD #, etc.) | 13 SIC CODE | 14 CITY | 15 STATE | 16 ZIP CODE

01 NAME | 02 D+B NUMBER | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | 04 SIC CODE | 05 CITY | 06 STATE | 07 ZIP CODE | 08 YEARS OF OPERATION | 09 NAME OF OWNER DURING THIS PERIOD

10 NAME | 11 D+B NUMBER | 12 STREET ADDRESS (P.O. Box, RFD #, etc.) | 13 SIC CODE | 14 CITY | 15 STATE | 16 ZIP CODE

01 NAME | 02 D+B NUMBER | 03 STREET ADDRESS (P.O. Box, RFD #, etc.) | 04 SIC CODE | 05 CITY | 06 STATE | 07 ZIP CODE | 08 YEARS OF OPERATION | 09 NAME OF OWNER DURING THIS PERIOD

10 NAME | 11 D+B NUMBER | 12 STREET ADDRESS (P.O. Box, RFD #, etc.) | 13 SIC CODE | 14 CITY | 15 STATE | 16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

(WCC Site Survey, 1983)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE
NY	10125

NYD002426757

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Texaco Research Center			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
Glenham	NY		
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

(DCDH 1982d)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	0300 10125

NYD002426757

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ D. SPILLED MATERIAL REMOVED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ E. CONTAMINATED SOIL REMOVED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ F. WASTE REPACKAGED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☒ G. WASTE DISPOSED ELSEWHERE
04 DESCRIPTION Buried wastes were excavated and disposed of at the Poughkeepsie landfill. Wastes were non-hazardous
02 DATE 10-82 03 AGENCY DCDH

01 ☒ H. ON SITE BURIAL
04 DESCRIPTION
02 DATE 6-82 03 AGENCY —

01 ☐ I. IN SITU CHEMICAL TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ J. IN SITU BIOLOGICAL TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ K. IN SITU PHYSICAL TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ L. ENCAPSULATION
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ M. EMERGENCY WASTE TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ N. CUTOFF WALLS
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ P. CUTOFF TRENCHES/SUMP
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ Q. SUBSURFACE CUTOFF WALL
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	NYD002426757

II. PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

(DCDH 1982d)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE: NY	02 SITE NUMBER: NYD002426757

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☒ YES ☐ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

State entered into a consent Order with owner in November of 1982 to rectify the situation.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

(NYSDEC 1982b)

EPA FORM 2070-13 (7-81)

3.0
SITE HISTORY

The Royal Carting Service site was originally used as a disposal facility for various forms of mixed municipal and industrial wastes (NYSDEC, 1979). From 1950 to 1962, the site accepted several hundred 35- and 55-gallon drums and cans of waste chemicals generated by the Texaco Research Center in Glenham, New York (Pagones, Cross and Van Tuyl, 1981; NYSDEC, 1982c). The site was purchased by Emile Panichi, the current owner, in 1971 (WCC Site Survey, 1983).

In August of 1979, NYSDEC performed a site investigation of "Reported Hazardous Waste Sites" (NYSDEC, 1979). Another inspection was performed in April of 1980 (NYSDEC, 1980a). During these inspections, the investigators observed "mixed municipal waste and trash" and hundreds of full barrels, drums and cans with unidentified contents. In November of 1981, the DCDH in conjunction with the NYSDEC, collected three waste samples from the site (NYSDEC, 1981). All three samples were found to consist of non-hazardous waste materials (Camo Labs, 1982; Poughkeepsie Journal, 1982).

In June of 1982, Mr. Panichi had the materials buried in a shallow pit on the property (DCDH, 1982c). In October of that year, the waste drums were excavated and disposed of at the F.I.C.A. Landfill in the Town of Poughkeepsie (DCDH, 1982d).

4.0
SITE DATA

4.1 Site Area Surface Features

Royal Carting Service is located on a remote site in a rural area of East Fishkill. The ground surface demonstrates a rolling topography, with an approximate site elevation of 230 feet and a variable slope to the northwest in the 3% range (USGS, 1981). A tributary to Sprout Creek lies approximately 100 feet from the northern site boundary. Freshwater wetlands occur within several hundred feet of the site (NYSDEC, Division of Fish and Wildlife, 1975) and low-lying areas of standing water occur within the site boundaries (WCC Site Survey, 1983). The latter is not considered to be designated state wetlands as it does not meet the minimum 12.4-acre minimum size criteria (NYSDEC, 1980b). Griffins Tavern, listed on State and National Registers of Historic Places, lies within several hundred feet of the access road to the site on Route 82 (NYSP&R, 1983). All Angel Bog, a State-designated Significant Habitat, occurs approximately 2700 feet southwest on Route 82 (NYSDEC, 1983).

Land use in the area is somewhat rural and residential (WCC Site Survey, 1983). The nearest dwelling is located approximately 400 feet from the site and is owned by Emile Panichi, the owner of Royal Carting Service. It is estimated that approximatey 30 dwellings occur within 1/4 mile of the site, and more than 200 within one mile. No commercial, industrial, or agricultural areas were observed in the site vicinity during the WCC Site Survey (WCC, 1983).

4.2 Site Hydrogeology

4.2.1 Ground Water Occurrence. Ground water in the site area occurs in both consolidated bedrock and in unconsolidated deposits. In general, the most productive aquifers in the area are sand and gravel glacial outwash deposits associated with local valleys. One such sand and gravel deposit underlies the Royal Carting Service site to a depth of approximately 50 feet (Simmons, Grossman and Heath, 1961). Recharge to this aquifer is primarily through precipitation, but may also occur from hydraulically-linked surface water bodies. These unconsolidated sand and gravel deposits are utilized extensively in Dutchess County and generally yield adequate quantities of water for domestic, farm and small commercial needs. The reported depth to ground water in an overburden well in the immediate vicinity of the site is 18 feet (Simmons, Grossman and Heath, 1961).

The Orodovician and Cambrian Stockbridge limestone formation is the bedrock unit underlying most of the valley areas of Dutchess County, including the Royal Carting Service site. The Stockbridge limestone is the most productive bedrock aquifer in the county, with yields averaging about 22 gpm and ranging up to 220 gpm (Simmons, Grossman and Heath, 1961). Significant quantities of ground water are typically associated with zones of fracturing or faulting. Hence, the most productive bedrock wells are in valley areas where fracturing is most abundant.

Recharge of bedrock aquifers in the area is generally by infiltration of precipitation or by percolation through overlying unconsolidated deposits. Bedrock overlain by permeable sand and gravel deposits, as it is in the site area, is typically more productive than bedrock overlain by less permeable till or clay.

4.2.2 Ground Water Quality. Analyses of ground water from unconsolidated deposits overlying limestone in Dutchess County indicate water of moderate hardness and dissolved solids content. Likewise, iron, sulfate and chloride concentrations are moderate to low in some areas.

Ground water analyses from consolidated deposits of the Stockbridge limestone demonstrate similar trends for iron, but sulphate concentrations tend to be somewhat higher and locally high chloride levels also occur. Total hardness for ground water from this formation demonstrates similar median values but a much wider range indicating greater local variability (Simmons, Grossman and Heath, 1961).

4.2.3 Ground Water Use. Ground water is widely used in Dutchess County, but most individual supplies are small. Rural homes, farms and some suburban sections of Dutchess County which are not served by public supply utilize individually-owned, private wells.

Being located in a generally rural area of the county, residences in the vicinity of the site are supplied by private wells. Approximatey 1000 households occur within one-mile of the Royal Carting Service site (Donnelly Marketing, 1982) which most likely utilize private wells. Several miles downgradient, a small private supplier, Brinkerhoft Company, has a shallow gravel well which serves a school and housing development. There are no public supply wells in the immediate vicinity of the site (DCDH, 1983).

The closest private well is located approximately 400 feet from the site. This potable well is owned and utilized by Emile Panichi, owner of the Royal Carting Service site. The well is tested twice each year and, based on interview with Mr. Panichi, has shown no signs of contamination (WCC Site Survey, 1983).

4.3 Past Sampling and Analysis

As far as is known, no ground water analyses have been performed at the site.

As indicated above, water quality analyses have been performed twice a year on the potable water well owned by Emile Panichi and located several hundred feet from the site. These analyses have demonstrated no contamination at this point (WCC Site Survey, 1983).

5.0
DATA ADEQUACY

Existing available data were sparse, and generally inadequate for HRS Scoring of the Royal Carting Service site. Much of the data utilized in this effort was gained through the WCC Site Survey and interview with Emile Panichi, the owner of the site. The Dutchess County Department of Health files also provided some limited information on the site. The HRS User's Manual specifies, that if data are lacking for more than one factor in connection with the evaluation of a route score, that score is set at zero. In scoring the Royal Carting Service site, Ground Water, Surface Water and Direct Contact route scores were all set at zero due to incomplete factor data. A total of ten factors were scrutinized using incomplete data (signified with squares on the work sheets).

Most of the data inadequacies are due to the fact that it is not known what, if any, hazardous wastes have been disposed of onsite. Those wastes which were originally discovered were found to be non-hazardous and removed. Hence, major data gaps include waste characteristics such as quantity, state, toxicity and persistence of potential hazardous wastes which may have been disposed of onsite. Data on the method of containment of these potential wastes is also needed.

6.0
WORK PLAN

6.1 Objectives

The objective of this work plan is to collect essential field information required to adequately prepare a final HRS Score and develop conceptual remedial designs and costs. There is generally only minimal existing information on the Royal Carting Service site. Hence, the work plan will address questions primarily concerning ground and surface water flow and quality, soils, stream sediments and the occurrence and characteristics of any additional wastes which may be found at the site.

6.2 Field Investigation Plan

6.2.1 Geophysical Studies. As part of the onsite field investigation to characterize the hydrologic regime, a geophysical survey utilizing the terrain conductivity technique will be performed at the site. This technique has been utilized successfully in locating subsurface plumes of many different substances. Measurements will be taken at various locations in the site vicinity to determine expected ranges of background or upgradient conductivity (locations will be governed by the amount of open space between trees). Measurements will be taken across and around the site to identify the presence and direction of movement of any existing plumes of contaminated ground water, and to identify anomalous conductivity distributions that may indicate buried metallic objects such as drums or other containers.

It is anticipated that it will require a two-person team two days to perform the conductivity survey, with readings taken at an exploration depth of 25 feet

at each measurement station. The data will be plotted on maps and contoured. These contour maps will provide the basis for defining the exact number and location of additional ground water monitoring wells.

6.2.2 Test Pits. Test pits will be excavated by backhoe at various locations around the site as shown in Figure 2. The main purpose of these pits will be to provide soil samples for chemical testing, thus allowing a delineation of the possible locations of additional buried wastes or of contaminated soils. The pits will be approximately 10 to 15 feet deep. One will be located in the old waste drum burial pit, and one near the northern dumpster storage area. A Priority Pollutant Analysis will be performed on one composite soil sample. Additional sampling for metals and volatile organics will be conducted if deemed necessary.

6.2.3 Monitoring Wells

6.2.3.1 Installation. Monitoring wells will be installed to provide data pertinent to water chemistry near the top of the ground water table and characterization of stratigraphy and the ground water regime at the site. It is recommended that three monitoring wells be installed, at the approximate locations shown in Figure 2. Finalized well locations will be determined after geophysical data has been plotted and reduced.

Well MW-1 will be installed at a presumed upgradient location, just northeast of the Royal Carting Service building. This well will provide representative samples of the ground water flowing into the area.

Well MW-2 will be situated west of the old waste drum pit in a presumed downgradient location. Well MW-3 will be located in the northwest portion of the site, also in a presumed downgradient location. These two approximate locations will provide the greatest opportunity for interception of any potential contaminant plumes which may emanate from the site.

All monitoring wells will be installed so as to sample the upper 10 feet of ground water. It is assumed that the ground water table will be within 25 feet of the ground surface and into unconsolidated sediments of sand and gravel. In the site vicinity, the thickness of this water bearing unit is approximately 50 feet (Simmons, Grossman and Heath, 1961).

Borings will be advanced through overburden by 6-inch I.D. hollow stem augers or driven casing with continuous split spoon sampling through the upper 15 feet of soil, and at 5-foot intervals below 15 feet. Soil samples will be classified in the field by a hydrogeologist. Selected samples will be submitted to WCC's geotechnical laboratory for grain analysis and Atterberg limits if required. To maximize information on any volatile or organic contaminants, headspace analysis will be conducted on soil samples, using a portable gas chromatograph. These data will be used to evaluate relative concentrations of organic contaminants in various stratigraphic horizons.

Slotted 3-inch I.D. PVC well screen will be installed over 10-foot intervals in each well, with a riser of flush joint, threaded, 3-inch I.D. PVC pipe. In low-lying areas, risers will extend at least 3 feet above the ground surface to prevent contamination by surface water flooding. A gravel pack will be completed to approximately 2 feet above the top of the screen, where a one-foot bentonite seal will be installed. To further assure that water samples will be representative of the screened interval, the remaining annular space will be grouted, and a protective steel casing will be installed. After installation, all wells will be developed by pumping, to remove any fine grained material.

6.2.3.2 Water Elevations. Ground water depths will be measured at the time of well development and again at the time of pumping. Relative well elevations will be surveyed by WCC personnel. Water elevations will be plotted and used to develop contours of the ground water table at the site. Based on this map, the direction(s) of ground water flow will be calculated. Flow and

gradient data will be fundamental input in quantifying site conditions and will be assessed together with plume geometries inferred from geophysical survey data.

6.2.3.3 Aquifer Testing. "Slug"-type permeability tests will be conducted in each newly installed well to evaluate the permeability of materials spanning the screened interval. The method is a rapid means by which the in-situ permeability in the immediate vicinity of a monitoring well can be approximated. The test does not involve pumping of potentially contaminated water and results generally suffice for ground water flow analysis.

6.2.4 Sampling and Analysis Plan

6.2.4.1 General Plan. Sampling and analysis plan to be supplied by NYSDEC.

6.2.4.2 Sampling Parameters. Previous sampling at the site is non-existent. Therefore, sampling parameters should cover a wide variety of contaminants. Samples will be collected from ground and surface waters, stream sediments and soils. Sample types and chemical parameters are summarized in Table 6-1. At a minimum, one Priority Pollutant Analysis will be performed on one composite soil sample and one ground water sample.

6.2.4.3 Sampling Locations. One water sample and one soil sample from two of the three proposed ground water monitoring wells will be analyzed for metals and volatile organics. Results of each pair of analyses will be compared to evaluate any downward migration of contaminants through soil. Ground water analyses will be evaluated in terms of other hydrogeologic data to evaluate the presence, distribution, and migration directions of any ground water contaminant plumes.

Surface water samples will be collected at two locations, one upstream and one downstream, in the site vicinity, with sediment samples collected at the same locations. The upstream sample will provide information concerning the

quality of surface water flowing into the site vicinity. The downstream sample will provide information concerning the quality of surface waters leaving the site.

6.3 Health and Safety Plan

Health and safety plan to be supplied by NYSDEC.

6.4 Cost Estimate

Costs for Phase II work were developed based on assumptions, rates, and charges described in WCC's cost proposal submitted to NYSDEC on 29 October 1982. Costs have been grouped by task, and estimates are presented in Tables 6-2, 6-3, 6-4, 6-5, and 6-6. The estimated costs may require adjustment as a result of the requirements of the sampling and analysis plan or health and safety plan to be supplied by NYSDEC. The total estimated cost for Phase II investigations at the Royal Carting Service site is $27,510.

Table 6-1. PROPOSED CHEMICAL ANALYSES AT THE ROYAL CARTING SITE.

	ANALYSES		
Sample Type	Metals	Volatile Organics	Remarks
Ground Water*	X	X	One sample from one well if deemed necessary.
Soil*	X	X	One sample from one test pit if deemed necessary.
Surface Water	X	X	One sample each from one upstream and one downstream location.
Stream Sediment	X	X	One sample each from one upstream and one downstream location.

*At a minimum, one Priority Pollutant Analysis will be performed on one composite soil sample and one ground water sample.

TABLE 6-2. GEOPHYSICAL STUDIES COSTS.

			Estimated Cost	Total Estimated Cost
1. Direct Material				
a. Purchased Parts				
b. Subcontract Items				
c. Other				
2. Material Overhead				
	Estimated Hours	Rate/ Hour		
3. Direct Labor				
Senior Staff Engineer/ Geologist/Scientist	48	12.62	606	
		Total Direct Labor		$ 606
	O H Rate	X Base		
4. Labor Overhead	120%	606	727	
		Total Labor Overhead		$ 727
5. Special Testing				
6. Special Equipment-Terrain Conductivity Equipment (EM-34)				$ 400
7. Travel				
a. Transportation			67	
		Total Travel		$ 67
8. Consultants				
		Total Consultants		-
9. Other Direct Costs				
10.		**Total Direct Costs and Overhead**		$1,800
11. General and Administrative Expense (rate 15% of Cost Element No's. 1, 3, 4, 7, 9)				$ 210
12. Royalties				
13.			**Sub-Total**	$2,010
14. Fee			181	
15.		**Total Estimated Cost**		$2,191

TABLE 6-3. DRILLING/WELL INSTALLATION COSTS.

			Estimated Cost	Total Estimated Cost
1. Direct Material				
a. Purchased Parts				
b. Subcontract Items			$ 7,405	
c. Other				
		Total Direct Material		$ 7,405
2. Material Overhead				
	Estimated Hours	Rate/ Hour		
3. Direct Labor				
Senior Staff Engineer/ Geologist/Scientist	65	12.62	820	
		Total Direct Labor		$ 820
	O H Rate	X Base		
4. Labor Overhead	120%	820	984	
		Total Labor Overhead		$ 984
5. Special Testing				
6. Special Equipment				
Century Organic Vapor Analyzer			250	
Photovac 10A10 Gas Chromatograph			450	
		Total Special Equipment		$ 700
7. Travel				
a. Transportation			34	
b. Subsistence			300	
		Total Travel		$ 334
8. Consultants				
		Total Consultants		-
9. Other Direct Costs				
10.		**Total Direct Costs and Overhead**		$10,243
11. General and Administrative Expense (rate 15% of Cost Element No's. 1, 3, 4, 7, 9)				$ 1,432
12. Royalties				
13.		**Sub-Total**		$11,675
14. Fee			1,051	
15.		**Total Estimated Cost**		$12,726

TABLE 6-4. SAMPLING AND ANALYSIS COSTS.

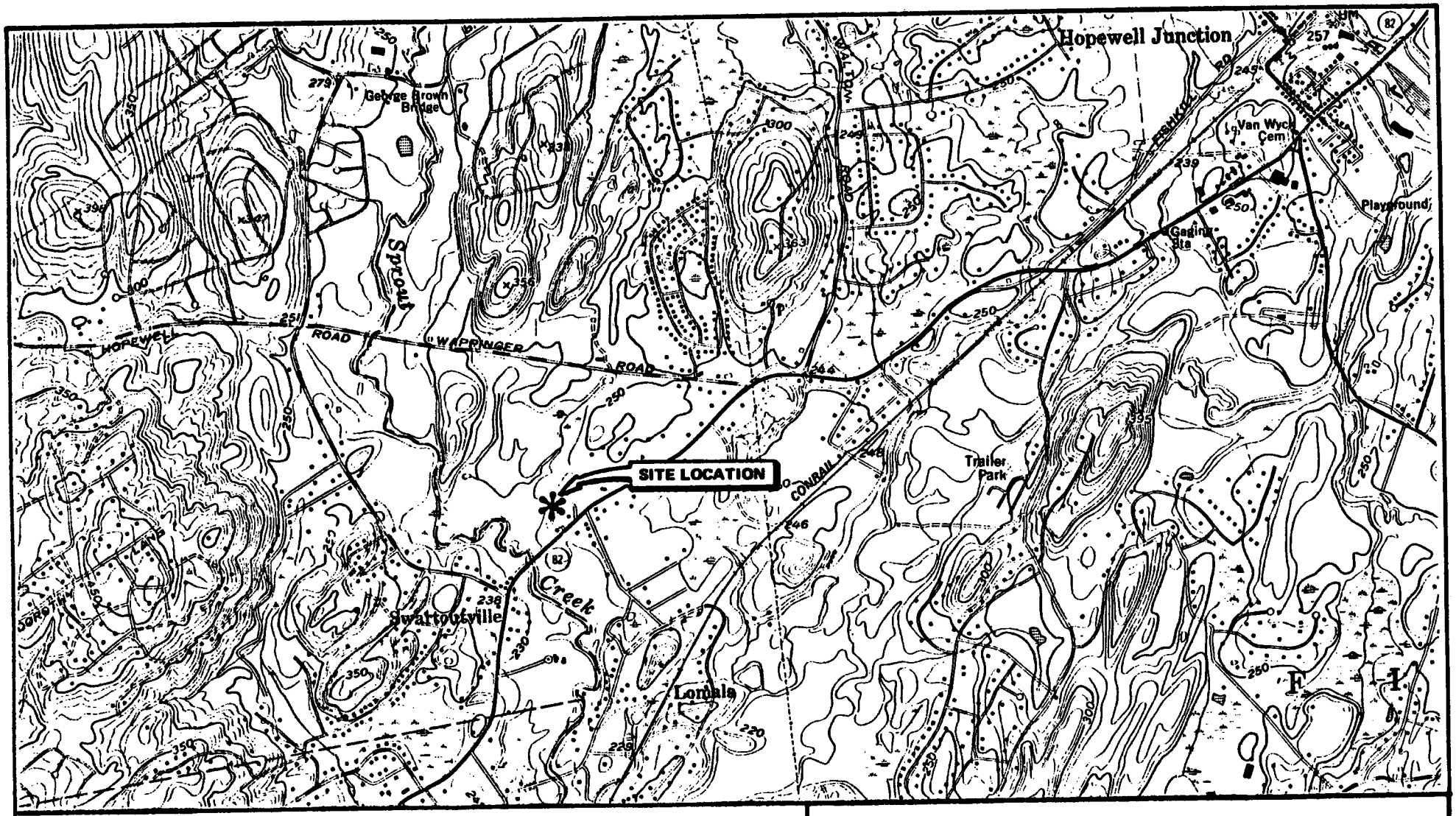
			Estimated Cost	Total Estimated Cost
1. Direct Material				
a. Purchased Parts				
b. Subcontract Items			$4,950	
c. Other				
		Total Direct Material		$4,950
2. Material Overhead				
	Estimated Hours	Rate/ Hour		
3. Direct Labor				
Staff Engineer/ Geologist/Scientist	16	11.54	185	
		Total Direct Labor		$ 185
	O H Rate	X Base		
4. Labor Overhead	120%	185	222	
		Total Labor Overhead		$ 222
5. Special Testing				
Laboratory Permeability Test				$ 190
Grain Size Analyses				$ 870
Atterberg Limits				$ 165
6. Special Equipment - Pumps, Bailers				$ 100
7. Travel				
a. Transportation			34	
b. Subsistence			60	
		Total Travel		$ 94
8. Consultants				
		Total Consultants		-
9. Other Direct Costs				
Sample Shipment			300	$ 300
10.		Total Direct Costs and Overhead		$ 7,076
11. General and Administrative Expense (rate 15% of Cost Element No's. 1, 3, 4, 7, 9)				$ 863
12. Royalties				
13.			Sub-Total	$ 7,939
14. Fee			715	
15.		Total Estimated Cost		$ 8,654

TABLE 6-5. REPORT PREPARATION COSTS.

			Estimated Cost	Total Estimated Cost
1. Direct Material				
a. Purchased Parts				
b. Subcontract Items				
c. Other				
2. Material Overhead				
	Estimated Hours	Rate/ Hour		
3. Direct Labor				
Senior Staff Engineer/ Geologist/Scientist	33	12.62	416	
Draftsperson	10	10.24	102	
Typist	4	8.44	34	
		Total Direct Labor		$ 552
	O H Rate	X Base		
4. Labor Overhead	120%	552	662	
		Total Labor Overhead		$ 662
5. Special Testing				
6. Special Equipment				
7. Travel				
a. Transportation				
b. Subsistence				
8. Consultants				
		Total Consultants		-
9. Other Direct Costs				$ 150
10.		**Total Direct Costs and Overhead**		$ 1,364
11. General and Administrative Expense (rate 15% of Cost Element No's. 1, 3, 3, 7, 9)				$ 205
12. Royalties				
13.			**Sub-Total**	$ 1,569
14. Fee			141	
15.		**Total Estimated Cost**		$ 1,710

TABLE 6-6. PROJECT MANAGEMENT COSTS.

			Estimated Cost	Total Estimated Cost
1. Direct Material				
a. Purchased Parts				
b. Subcontract Items				
c. Other				
2. Material Overhead				
	Estimated Hours	Rate/ Hour		
3. Direct Labor				
Principal In Charge	2	33.32	67	
Activity Leader	12	20.92	251	
Project Manager	12	20.91	251	
Asst. Prj. Engr/Geol/Sci.	12	14.96	180	
Typist	4	8.44	34	
		Total Direct Labor		$ 783
	O H Rate	X Base		
4. Labor Overhead	120%	783	940	
		Total Labor Overhead		$ 940
5. Special Testing				
6. Special Equipment				
7. Travel				
a. Transportation			55	
b. Subsistence				
			Total Travel	$ 55
8. Consultants				
			Total Consultants	-
9. Other Direct Costs				
10.		**Total Direct Costs and Overhead**		$1,778
11. General and Administrative Expense (rate 15% of Cost Element No's. 1, 3, 4, 7, 9)				$ 267
12. Royalties				
13.			**Sub-Total**	$2,045
14. Fee			184	
15.		**Total Estimated Cost**		$2,229

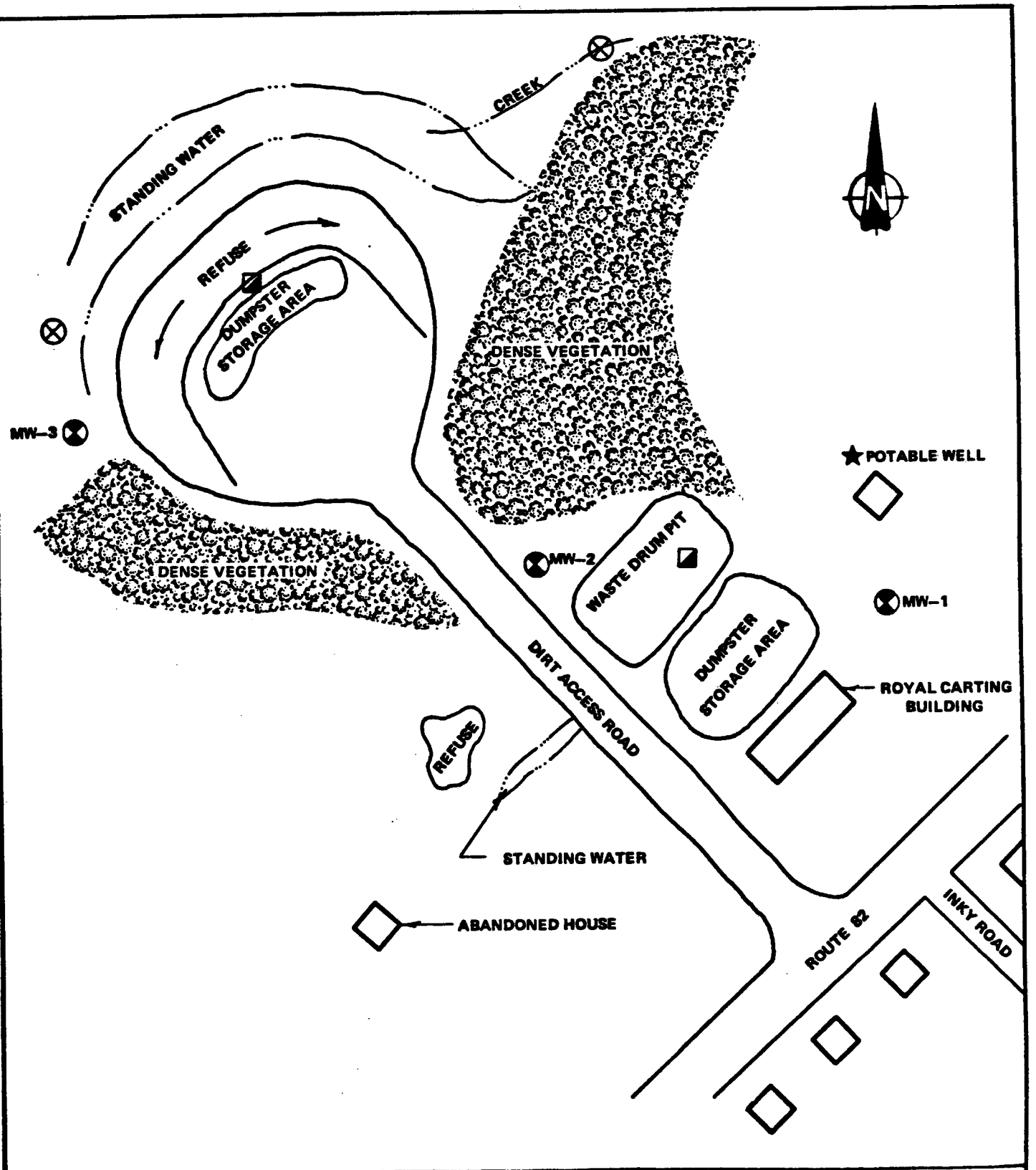


NOTE:
BASE MAP FROM USGS, HOPEWELL JUNCTION, N.Y., QUAD, PHOTO REVISED 1981

SITE LOCATION MAP
ROYAL CARTING SERVICE

WOODWARD—CLYDE CONSULTANTS, INC.
CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS
NEW YORK, NEW YORK

DR. BY: DRS	SCALE: 1 IN. = 2000 FT	PROJ. NO.: 82C4548-14
CK'D. BY: CM	DATE: 27 SEPT. 1983	FIG. NO.: 1



LEGEND

- PROPOSED MONITORING WELL
- PROPOSED SURFACE WATER SAMPLING
- PROPOSED TEST PIT LOCATION

LOCATION MAP
FOR PROPOSED PHASE II INVESTIGATION
ROYAL CARTING SERVICE SITE

WOODWARD—CLYDE CONSULTANTS, INC.

CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS
NEW YORK, NEW YORK

DR. BY:	DRS	SCALE: NOT TO SCALE		PROJ. NO.:	82C4548-14
CK'D. BY:	CM	DATE:	27 SEPT. 1983	FIG. NO.:	2

APPENDIX A
REFERENCES

CAMO Laboratories, 1982, Analytical report on samples #DEC-1, DEC-2, and DEC-3, Log No.: 81-11-9530, (LOCATION: WCC Files).

Dutchess County Health Department, 1982a, Memo to File from Donna Sofokles, RE: Royal Carting - Laboratory Analyses of Suspected Hazardous Wastes, dated January 29, 1982, (LOCATION: WCC Files).

Dutchess County Health Department, 1982b, Memo to Sal Ervolina from David T. Ruff, RE: Royal Carting Co., Town of East Fishkill, dated July 14, 1982, (LOCATION: WCC Files).

Dutchess County Health Department, 1982c, Memo to Pete Barton from Ellis W. Adams, RE: Royal Carting, T. East Fishkill, dated August 25, 1982, (LOCATION: WCC Files).

Dutchess County Health Department, 1982d, Letter to NYSDEC, Division of Solid Waste from Jack R. Hill, RE: Limited Waste Transporter Permit for Royal Carting Services Co., dated September 27, 1982, (LOCATION: WCC Files).

Dutchess County Health Department, 1983, Personal communication with Jack Hill, dated April 21, 1983, (LOCATION: WCC Files).

NYSDEC, 1975, Freshwater wetlands maps of Dutchess County, Hyde Park Quadrangle, Division of Fish and Wildlife, (LOCATION: NYSDEC/Albany Files).

NYSDEC, 1979, Hazardous waste site report compiled by Dave Ruff, dated August 14, 1979, (LOCATION: WCC Files).

NYSDEC, 1980a, Hazardous Wastes Site Report on Royal Carting Site #314011, performed by Jack Doty, April 14, 1980, (LOCATION: WCC Files).

NYSDEC, 1980b, Memo to Robert Vrana from William E. Steidle, RE: Royal Carting Co., (LOCATION: WCC Files).

NYSDEC, 1981, Letter to Emile Panichi from Jack Doty, RE: In Place Toxic Site #314011, dated November 16, 1981, (LOCATION: WCC Files).

NYSDEC, 1982a, NYSDEC Waste Transporter Permit No. 3A-003, issued to Royal Carting Service Co., Inc. October 5, 1982, (LOCATION: WCC Files).

NYSDEC, 1982b, Letter to Tony Pagones from Laura Zeisel, RE: Royal Carting Company, dated November 12, 1982 (LOCATION: WCC Files).

NYSDEC, 1982c, Letter to Roy Jacobs, Texaco, Inc., from John Doty, RE: Royal Carting Service In Place Toxic Site #314011, (LOCATION: WCC Files).

NYSDEC, 1983, Listings and maps of Significant Habitats in Dutchess County, Division of Fish and Wildlife, Significant Habitats Unit, (LOCATION: NYSDEC/Albany Files).

NYS Parks and Recreation, 1983, Files of Dutchess County Historical Sites Listed on State and Federal Registers, Division for Historic Preservation, (LOCATION: NYSP&R/Albany Files).

Pagones, Cross and Van Tuyl, P.C., 1981, Letter to John Doty, NYSDEC, from Anthony Pagones, RE: In Place Toxic Site #314011, dated November 18, 1981, (LOCATION: WCC Files).

Poughkeepsie Journal, 1982, Article entitled "Material in Hopewell found 'non-hazardous'", dated January 31, 1982, (LOCATION: WCC Files).

Simmons, E.T., I.G. Grossman, and R.C. Heath, 1961, Ground-Water Resources of Dutchess County, New York, NYSDEC, Water Resources Commission, Bulletin C-W-43, Albany, New York, (LOCATION: WCC Files).

U.S. Department of Agriculture, 1939, Soil Survey, Dutchess County, New York, Series 1939, No. 23, Soil Conservation Service in cooperation with Cornell University Agricultural Experiment Station, (LOCATION: WCC Files).

U.S. EPA, 1980, Potential Hazardous Waste Site Identification and Preliminary Assessment Form #T2070-2, Royal Carting Service, dated October 30, 1980, (LOCATION: WCC Files).

U.S. EPA, 1981, Potential Hazardous Waste Site Preliminary Assessment Form #2070, Royal Carting Service, (LOCATION: WCC Files).

U.S. Fish and Wildlife Service, 1983, National Wildlife Refuges, A Visitor's Guide.

U.S. Geological Survey, 1981, Hopewell Junction, New York, 7.5-Minute Quadrangle, (LOCATION: WCC Files).

Woodward-Clyde Consultants, 1983, Site Survey of Royal Carting Service site conducted 21 April 1983 by M.A. Khoury, Assistant Project Engineer, (LOCATION: WCC Files).

APPENDIX B
PERTINENT INFORMATION

Invoices (CAMO LABS, 1982)

CAMO LABORATORIES

A DIVISION OF CAMO POLLUTION CONTROL, INC.

POUGHKEEPSIE AREA FACILITY:
CAMO LABORATORY
25 POST ROAD
HYDE PARK, N.Y. 12538
(914) 229-8337 or 229-8865

ROCHESTER AREA FACILITY:
LOZIER/CAMO LABORATORY
23 NORTH MAIN STREET
FAIRPORT, N.Y. 14450
(716) 325-2210

January 27, 1982

RECEIVED

JUL 22 1982

BUREAU OF
HAZARDOUS WASTE TECHNOLOGY
DIVISION OF SOLID WASTE

Dutchess County Health Department
22 Market Street
Poughkeepsie, N.Y. 12601

Attention: Mr. Jack Hill

RE: Analytical Report
CAMO Log No.: 81-11-9530

Dear Sir:

CAMO Laboratories received three (3) semi-solid samples on November 25, 1981, with a request to determine if these materials were hazardous or not. The results of that investigation are the subject of this report.

If you have any questions, please feel free to call. Thank you.

Sincerely,

CAMO LABORATORIES

John P. Dullaghan (JE)

John P. Dullaghan
Director
Measurement Services

JPD:el
Enclosures

CAMO LABORATORIES

A DIVISION OF CAMO POLLUTION CONTROL, INC.

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ROCHESTER AREA FACILITY:
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23 NORTH MAIN STREET
FAIRPORT, N.Y. 14450
(716) 425-2210

12/4/1981

ANALYTICAL REPORT

Hazardous Waste Determination

CAMO Log No.: 81-11-9530

INTRODUCTION

CAMO Laboratories received three (3) semi-solid samples on November 25, 1981, identified as DEC #1 - polymer, DEC #2 - grease and DEC #3 - solid. The request was to determine if these samples were hazardous with respect to EPA "Hazardous Waste Regulations".

METHODOLOGY

All three samples were analyzed for ignitability, corrosivity, toxicity, and reactivity, as per EPA "Hazardous Waste and Consolidated Permit Regulations", Federal Register, May 19, 1980.

RESULTS AND DISCUSSION

All data is presented on Table I. The results indicate that all three (3) samples are non-hazardous materials.

DUTCHESS COUNTY HEALTH DEPARTMENT

Table 1

HAZARDOUS WASTE DETERMINATION

PARAMETER	SAMPLE IDENTIFICATION			
	DEC #1	DEC #2	DEC #3	EPA Regulations-Maximum - Non-Hazardous Constituent Concentrations
IGNITABILITY (°F)	276	182	No Flash Point up to 210, at 100°F sample foams	Flash Point must be <140°F
CORROSIVITY (inches/yr)	1.0×10^{-3}	1.3×10^{-3}	1.6×10^{-3}	Corrode steel <0.25 inches/yr.
REACTIVITY	Non-Reactive	Non-Reactive	Non-Reactive	Unstable, react violently with water, generate toxic gases, etc.
TOXICITY (EP) (mg/l)				
Arsenic	0.23	<0.001	<0.001	5.0
Barium	<0.10	<0.10	<0.10	100.0
Cadmium	0.58	<0.003	0.005	1.0
Chrome	2.72	<0.01	<0.01	5.0
Lead	<0.03	<0.03	0.090	5.0
Mercury	<0.001	<0.001	<0.001	0.2
Selenium	<0.001	0.010	0.002	1.0
Silver	<0.006	<0.006	<0.006	5.0
Endrin	<0.0001	<0.0001	<0.0001	0.02
Lindane	<0.001	<0.001	<0.001	0.4
Methoxyclor	<0.001	<0.001	<0.001	10.0
Toxaphene	<0.001	<0.001	<0.001	0.5
2,4-D	<0.05	<0.05	<0.05	10.0
2,4,5-TP	<0.005	<0.005	<0.005	1.0

CAMO LABORATORIES

A DIVISION OF CAMO POLLUTION CONTROL, INC.

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HYDE PARK, N.Y. 12538
(914) 229-8337 or 229-8865

ROCHESTER AREA FACILITY:
LOZIER/CAMO LABORATORY
23 NORTH MAIN STREET
FAIRPORT, N.Y. 14450
(716) 425-2210

BILLED TO:
Dutchess Connty Health Department
22 Market Street
Poughkeepsie, New York 12601

Attn: Mr. Jack Hill

SENT TO:
SAME

1/27/1982

B O:	LOG NO:	YOUR ORDER NO:	DATE:	INVOICE NO:	TERMS:
	81-11-9530	N/A	January 27, 1982	81-11-9530	NET 30 DAYS

DESCRIPTION	TOTAL
The following charge is for three (3) semi-solid samples received on November 25, 1981, wnd analyzed for Ignitability, Corrosivity, Reactivity, and Toxicity. The report was written and signed by Mr. John P. Dullaghan on January 27, 1982.	
TOTAL	$1,665.00

PAYMENTS RECEIVED			PLEASE REMIT PAYMENT TO:		PAY LAST AMOUNT IN THIS COLUMN
DATE	CHECK NO.	AMOUNT			
			CAMO LABORATORIES 25 ALBANY POST ROAD HYDE PARK, NEW YORK 12538 (914) 229-8337 229-8865		

AFTER 30 DAYS, A MONTHLY SERVICE CHARGE OF 1-1/2 % PER MONTH, OR AN ANNUAL PERCENTAGE RATE OF 18 %, WILL BE APPLIED TO UNPAID BALANCES.

GOVERNMENTAL AGENCY

(DCDH, 1981)

DUTCHESS COUNTY HEALTH DEPARTMENT

MEMORANDUM

TO: Jack R. Hill, Ellis W. Adams and File

FROM: Michael E. Takacs

SUBJECT: Royal Carting, Town of East Fishkill

DATE: March 25, 1981

On March 24, 1981 a field inspection was conducted at the above site in regards to 55 gallon drums and 5 gallon pails deposited by Texaco 15 to 20 years ago.

The following were present:

Jack Doty of DEC
Ehmel Panichi-Royal Carting
William T. Shepherd-Texaco
Charles A. MacKenzie-Texaco
Robert Alazagaszi - DEC
Cecil Johnson-DEC
Dennis Young-DEC

Visual inspection revealed these drums to have been randomly deposited, many of the pails were open and appeared to contain grease. Texaco has no records pertaining to the contents of the drums, although a solvent type odor was present.

Since the drum contents are unknown, it was determined that sampling of the drums could be hazardous so no samples were collected at this time.

The location of a majority of the drums and pails are along the bank of a tributary of the Sprout Creek which increases the possibility of contaminated runoff during heavy rains.

Removal of these drums and pails to an approved disposal site should be carried out as soon as possible.

MET/pal

DC: ADM 7
HD - 131

(DCDH, 1982a)

DUTCHESS COUNTY HEALTH DEPARTMENT

MEMORANDUM

TO: File

FROM: Donna Sofokles

SUBJECT: **Royal Carting** - Laboratory Analyses of Suspected **Hazardous Wastes**

DATE: January 29, 1982

Per telephone conversation with Sherri Lutton, Camo Laboratories:

CAMO received 3 samples for analyses on November 25, 1981. Samples were identified as: DEC #1
DEC #2
DEC #3

All three samples were considered non-hazardous material.

Each sample was analyzed for the following parameters:

Ignitability - All had flash points greater than 140. None were in violation of E.P.A. regulations.

Corrosivity - All were less than E.P.A. violation limits.

Reactivity - All three samples were non-reactive.

EP Toxicity - Only materials which showed were on sample #1. Some chrome, cadmium, and arsenic. All levels well below E.P.A. regulations limits.

Herbicides - None found.

Pesticides - None found.

DC: ADM 7
HD - 131

(DCDH, 1982b)

DUTCHESS COUNTY HEALTH DEPARTMENT

MEMORANDUM

TO: Sal Ervolina, DEC, White Plains

FROM: David T. Ruff

SUBJECT: Royal Carting Co., Town of East Fishkill

DATE: 7/14/82

(of Dutchess Co.)

On July 14, 1982 Ellis Adams conducted a site investigation and spoke with Emil Panichi pertaining to the burial of containers with chemical wastes.

Mr. Adams' report to me indicates that apparently a considerable amount of the containers and wastes were buried on site. They were buried at an approximate depth of 3 to 4 feet. Some containers are protruding through the ground surface. Some of the containers and wastes were reported by Mr. Panichi to have been taken to the F.I.C.A., Fishkill-East Fishkill and Harlem Valley Landfills.

Mr. Adams' report indicates that Mr. Panichi is willing to cooperate on what remedial action may be necessary.

As we agreed, I am referring this matter to you for your review and action. I would appreciate your prompt response and to keep this Department advised on the status. If you wish further assistance or action from this Department, please advise.

dtr/mb
cc: Dr. John R. Scott
Jack R. Hill
John F. Lazarony
File ✓

DC: ADM 7
HD - 131

DUTCHESS COUNTY HEALTH DEPARTMENT (DCDH, 1982c)

MEMORANDUM

TO: Pete Barton, NYSDEC Conservation Officer

FROM: Ellis W. Adams, Public Health Sanitarian

SUBJECT: Royal Carting, T. East Fishkill

DATE: August 25, 1982

On or about the end of June, Mr. Emil Panichi, owner of Royal Carting, ordered a dozer to dig a trench and bury approximately 150-200 barrels of grease, polymers and related materials in it. The originator of these wastes was the Texaco Research Center, Glenham, NY, some 15-20 years ago. They were buried within 10'-15' of where they were stored all those years. They were buried about 150' to rear (northwest) of the offices for Royal Carting in an area about 100' square, to a depth of 3-4'. A few containers were protruding thru the surface.

This Department is in the process of finding a licensed landfill where this material can be properly deposed. Mr. Panichi has stated he is willing to remove.

We expect removal to take no more than three days, once a site is found for disposal.

The mailing address is as follows:

Mr. Emil Panichi
c/o Royal Carting Co.
Route 82
Hopewell Junction, NY 12533

It is located 1 mile southwest of the intersection of Route 82 and Hopewell-Wappingers Road and 2/10 of a mile northeast of the intersection of All Angels Hill Rd. & Route 82, on the north side of Route 82 in the Town of East Fishkill.

Any questions, do not hesitate to call.

EWA:ds
cc: file

DC: ADM 7
HD - 131

(DCDH, 1982d)

DUTCHESS COUNTY
DEPARTMENT OF HEALTH
22 Market Street
Poughkeepsie, New York 12601

September 27, 1982

NYS Dept. of Environmental Conservation
Division of Solid Waste
Bureau of Hazardous Waste Management
50 Wolf Road
Albany, New York 12233

Re: Royal Carting Services Co.
Limited (One-time) Waste Transporter Permit
T. East Fishkill

Gentlemen:

Enclosed please find the following data:

1) Dutchess County Health Department memorandum to Pete Barton, NYSDEC, with information relative to problem materials.

2) 2 copies of 47-19-1, Application for Industrial Waste Collector Registration

3) A check in the amount of $35.00 for three trucks to be used.

4) Form SW-14, Industrial Waste Collector Registration Form Continuation.

5) Copy of analyses of subject materials performed by CAMO Laboratories. (I. DEC File)

Mr. Emil Panichi, owner of Royal Carting Services, estimates it will take approximately two weeks to transport the materials to the approved landfill. Please issue the necessary permit for a two-week period.

If any further information is required, please advise this office immediately at (914)485-9820.

Very truly yours,

Jack R. Hill

Jack R. Hill, Director
Environmental Health Services

JRH:ds
enc.
cc: file

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR SEPTIC TANK CLEANER AND INDUSTRIAL WASTE COLLECTOR REGISTRATION

DATE			
BUSINESS AL CARTING SERVICE CO. INC.	2. LOCATION WHERE VEHICLES ARE GARAGED Route 82, Hopewell Junction		3. NO. OF VEHICL. 3
SS ADDRESS et Route 82	City & State Hopewell Junction, NY	Zip Code 12533	Telephone No. 896-6000
			REGISTRATION NO.

VEHICLES	VEHICLE NO. 1	2	3	4	5	6
MAKE	Mack	Mack	Mack			
YEAR	1975	1977	1978			
COLOR	Green	Green	Green			
LICENSE PLATE NO.	55609GD	9469MM	2467GO			
STATE OF REGISTRATION	NY	NY	NY			
TYPE (Tank, open, etc.)	Roll-off	Roll-off	Roll-off			
TANK CAPACITY	20 yd.	20 yd.	20 yd.			

NOTE: For additional vehicles and/or information, please attach a supplemental sheet and check here ☐

PHYSICAL AND CHEMICAL CHARACTER OF WASTES HANDLED NOTE: If Industrial Wastes are handled, form SW-14 must also be completed.

Industrial grease and polymers

LOCATION AND MANNER OF DISPOSAL

Landfill - F.I.C.A. Landfill
Town of Poughkeepsie

PLACE OR COMMUNITIES SERVED

Attach a map or sketch showing the disposal area of receiving station	10. $25.00 Annual Registration Fee attached ☐ Yes ☐ No

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

11. SIGNATURE OF APPLICANT	12. PRINTED OR TYPED NAME	13. DATE
Emil Panichi	Emil Panichi	9/15/82

STATEMENT OF OWNERS OR OPERATORS OF DISPOSAL AREAS OR RECEIVING STATIONS

Permission is hereby granted to the above named applicant to dump the material stated in this application at site(s) listed below subject to the Rules and Regulations of the Department of Environmental Conservation governing disposal of such material at the designated area.

NAME OF DISPOSAL SITE OR RECEIVING STATION (1) F.I.C.A.		NAME OF DISPOSAL SITE OR RECEIVING STATION (2)	
SIGNATURE	DATE 9/15/82	SIGNATURE	DATE

THIS CHECK IS DELIVERED FOR PAYMENT ON THE FOLLOWING ACCOUNTS

DATE		AMOUNT
TOTAL OF INVOICES		
LESS ____ % DISCOUNT		
LESS		
TOTAL DEDUCTIONS		
AMOUNT OF CHECK		35 -

ROYAL CARTING SERVICE
HOPEWELL JCT., NY 12533

17372

9/15 1982

50-485
219

PAY TO THE ORDER OF N.Y.S. Dept. of Env. Cons. $ 35 -

ROYAL CARTING CO. 35 and 00 cts DOLLARS

EAST FISHKILL OFFICE
THE FISHKILL NATIONAL BANK
HOPEWELL JUNCTION, N.Y. 12533

ROYAL CARTING SERVICE

⑈017372⑈ ⑆021904855⑆ ⑈4 2 1211 4⑈

INDUSTRIAL WASTE COLLECTOR REGISTRATION FORM CONTINUATION

Name of Registrant	Date	Registration No.
ROYAL CARTING SERVICE CO. INC.	9-27-82	

Company Producing Waste (Name and Address)	Waste Type Code	Components	Physical State	Quantity Per Year (Gallons)	Treatment or Disposal Facility (Name & Address-City & State)
Reportedly from the Texaco Research Center, Glenham, NY - approx. 15-20 years ago.	05	Industrial grease	semi-solid	150-200 55-gal. drums	F.I.C.A. Landfill Van Wagner Road Poughkeepsie, NY 12603
	26	Polymers (see attached laboratory analyses)			

(DCDH, 1983)

WOODWARD-CLYDE CONSULTANTS

Project DEC

TELEPHONE CONVERSATION RECORD

Date 4/21/83

Time 1130

Conversants Name(s)	Affiliation(s)	Phone No.	Location(s)
(To) (From) Jack Hill	Dutchess Co. Water	914/431-2048	22 Market St. Poughkeepsie, NY
Recorded by L. Campbell	Woodward-Clyde Consultants		

SUBJECT: Wells w/in Dutchess Co.

Record (Pertinent Facts and Data):

#36 Royal Carting Site — no public wells in vicinity, only private wells

Location: Rt 82 and All Angels Hill Road.

Location changed on Hopewell Quad

- The site was a transfer point for solid waste (ie - small trucks brought in trash, big trucks took it to a landfill.
- This site has been cleaned up by the county - shouldn't be a problem any more
- there are no public wells in the immediate area - only private wells, but a small private company (Brinkerhoff) has a well (shallow gravel) = 13,000' downstream near the Fishkill Creek; serves a school and development.
- IBM E. Fishkill Plant wells serve ±10,000 people

#35 Jones Sanitation —

- this was a septic sludge dump site that at one point also received industrial sludge
- The Dutchess Co. Water Authority has analysis results from the industrial sludge
- Hyde Park Fire and Water Dist. has a supplemental supply wells (650' deep) located near the Maritje Kill south of Crum Elbow Road appx 2,500 ft downslope of the site. Main water supply is from surface water out of Crum Elbow Cr. It's District serves 4-5,000 people
  - within <1 miles from site
- Two trailer parks (Val Kill Park East and Hidden Brook Estates) have shallow wells within 2000 and 4500 feet of site. They serve 83 and 33 units, respectively
- Haviland Jr. High (well) [illegible]
- Harvard Hill H_2O ≈ 50' >1,000 people

(NYSDEC, 1979)

(11)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
REPORTED HAZARDOUS WASTE SITES

#5-1

Date August 14, 1979

D.E.C. Region [illegible]

County Dutchess

Site Owner Royal Carting Service EMIL PAN[illegible]

Site Name, if any

Location Route 82
East Fishkill, New York (MAIL) PO-E[illegible] JCT. 12533

Site Description-(size, topography, residences, surface water, vegetation, land use, accessibility to people, etc.) Approximately 5 acres, flat, may be wetland. Sparsely vegetated around periphery of site, isolated from public. No residences within ¼ mile.

Waste Description-(containers, physical character, odors, color, source, etc) Mixed municipal waste and trash. Hundreds of [redacted] (55 gallon) and cans, many full - contents unidentified. Possible TE[illegible] Formaldehyde EM

Remarks-(names of others who may have knowledge of this site and any additional pertinent information) Inspected 1/30/80. No leachate evident.

Source of information Dave Ruff Phone 485-9706

Address Dutchess County Health Department

Information Received By Bob Vrana Phone 485-9707

Title Assistant Public Health Engineer

Is this site included in the list of 520 sites in the In-Place Toxics Task Force Report? Yes ☐ No ☒

If field inspection is made, the site should be described using the Initial Evaluation of Industrial & Hazardous Waste Site Inspection form.

AL CARTING

24-81

FILLED

PALLETS

BBL.

BBL

BCLS.

FLOW ← INTERMITTENT STREAM

← HOODS →

COMPACTOR

OFFICE

RT. 82

NO SAMPLES COLLECTED

HAZARDOUS WASTE DISPOSAL SITES REPORT
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(NYSDEC, 1980a)

Code: B
Site Code: 314011
Name of Site: Royal Carting Service Region: 3
County: Dutchess Town/City: East Fishkill
Street Address: Route 82 East Fishkill

Status of Site Narrative:

Approximately 5 acres, flat; may be wetland. Sparsely vegetated around periphery of site; isolated from public. No residences within ½ mile.

Mixed municipal waste and trash. Hundreds of barrels, drums, (55 gallon) and cans, many full-contents unidentified.

Type of Site: Open Dump [X] Treatment Pond(s) [ ] Number of Ponds ____
Landfill [ ] Lagoon(s) [ ] Number of Lagoons ____
Structure [ ]

Estimated Size 5 Acres

Hazardous Wastes Disposed? Confirmed [ ] Suspected [X]

*Type and Quantity of Hazardous Wastes:

TYPE	QUANTITY (Pounds, drums, tons, gallons)
Unidentified drums	Hundreds

*Use additional sheets if more space is needed.

Name of Current Owner of Site: Royal Carting
Address of Current Owner of Site: _____

Time Period Site Was Used for Hazardous Waste Disposal:
_____ 19 63+ To _____ 19

Is site Active ☐ Inactive ☒
(Site is inactive if hazardous wastes were disposed of at this site and site was closed prior to August 25, 1979)

Types of Samples: Air ☐ Groundwater ☐ None ☒
Surface Water ☐ Soil ☐

Remedial Action: Proposed ☐ Under Design ☐
In Progress ☐ Completed ☐
Nature of Action: none

Status of Legal Action: none State ☐ Federal ☐

Permits Issued: Federal ☐ Local Government ☐ SPDES ☐
Solid Waste ☐ Mined Land ☐ Wetlands ☐ Other ☐

Assessment of Environmental Problems:
Leaches to Sprout Creek. Additional sampling to determine needs to be completed (of the various media) to determine environmental impact.

Assessment of Health Problems:

None known.

Persons Completing this Form:

Jack Doty
G. David Knowles
New York State Department of Environmental Conservation
Date 4/14/80

Ron Tramontano
New York State Department of Health
Date 4/14/80

1/18/80
GDK:cl

(NYSDEC, 1980b)

New York State Department of Environmental Conservation

MEMORANDUM

RECD
OCT 22 1980
DEPT.

TO: Robert Vrana, Dutchess County Health Department
FROM: William E. Steidle, Regulatory Affairs WES
SUBJECT: Royal Carting Co., NYS Route 82, Town of East Fishkill
DATE: October 21, 1980

We are in receipt of your memorandum of October 9, 1980 regarding possible violations of the Freshwater Wetlands Act at the above site.

Prior to your request, this office inspected the Royal Carting property and a proposed subdivision site (Watch Hill Holding #2) located immediately to the east. Based upon our evaluation it was determined that the ponded area located on both properties was considerably less than 12.4 acres in total size and therefore not subject to the Freshwater Wetlands Act.

If appropriate, we suggest that your Department coordinate with our Division of Solid Waste in order to effectuate corrective action at the site.

Thank you for bringing this matter to my attention. Please let me know if you require additional information or assistance.

WES/mem
cc: S. Ervolina (w/incoming)

(NYSDEC, 1981)

202 Mamaroneck Avenue, White Plains, New York 10601

November 16, 1981

Mr. Emil Panichi
c/o Royal Carting Co.
Route 82
Hopewell Dunction, New York 12533

Re: In Place Toxic Site #314011

Dear Mr. Panichi:

As we discussed by phone on Friday, November 13th, personnel of the Dutchess County Department of Health and myself shall collect samples for analysis from the above referenced site. This shall be performed under authorization of the NYS Environmental Conservation Law Section 27-1308(3)(4). Split samples will be provided you or your designee, if desired.

I will further advise you of the time of our visit on Monday, November 23rd. If you have any questions regarding this, you may contact Richard Gardineer at this office or Ellis Adams of the Dutchess County Health Department.

Very truly yours,

John Doty
Principal Engineering
Technician

JD/vg

cc: Jack Hill/Ellis Adams
Richard Gardineer
Site Discovery & Investigation Section

47-2003 (2/82)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID WASTE - BUREAU OF HAZARDOUS WASTE OPERATIONS
50 WOLF ROAD, ALBANY, NEW YORK 12233

WASTE TRANSPORTER PERMIT

Pursuant to 6 NYCRR Part 364

NYSDEC PERMIT NUMBER	EPA TRANSPORTER ID NUMBER	VEHICLE LICENSE NUMBER	STATE
3A-003		2467GO	New York

THIS IS TO CERTIFY THAT:

NAME OF PERMITTEE: Royal Carting Service Company, Inc.

STREET ADDRESS: Route 82

CITY	COUNTY	STATE	ZIP CODE
Hopewell Junction		NY	12533

Having complied with the provisions of Environmental Conservation Law Title 3, is hereby authorized to engage in waste transporting within the State of New York in the manner described hereon.

TYPE OF WASTE AND LOCATION OF TREATMENT, STORAGE OR DISPOSAL FACILITY

industrial grease and polymers — FICA Landfill
Poughkeepsie, NY

CONDITIONS:

Disposal facility must be in compliance with all Federal, State and local regulations. This permit is valid only for the waste grease and polymers, estimated quantity (150-200 drums), from Royal Carting Property. No other waste may be transported under this permit.

THIS PERMIT WILL EXPIRE AT MIDNIGHT October 22, 82 and is subject to revocation as provided herein.

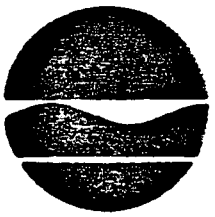
In witness whereof, the Department of Environmental Conservation has caused this permit to be executed on this 5 day of October 82

By _____
New York State Department of Environmental Conservation

(NYSDEC, 1982b)

New York State Department of Environmental Conservation
21 South Putt Corners Road
New Paltz, New York 12561-1696
(914) 255-5453

NOV 15 1982



Robert F. Flacke
Commissioner

November 12, 1982

Tony Pagones
Pagones & Cross, P.C.
Route 52
Hopewell Junction, New York 12533

Re: Royal Carting Company

Dear Mr. Pagones:

Please excuse the delay in responding to you. Enclosed for your reference is the current Part 360 of Title 6 of the Official Compilation of Codes, Rules and Regulations ("6NYCRR") effective March 9, 1982.

As stated previously, the Department is alleging that your client, Royal Carting Company, had a bulldozer dig a trench and bury approximately 150-200 barrels of grease, polymers and related materials at the site located on Route 82 in Hopewell Junction. Part 360.2a of 6NYCRR states that no person shall:

> "Initiate construction or modification of a solid waste management facility except in accordance with a valid construction permit issued to such person by the Department pursuant to this part."

The Department believes that the actions taken by your client in June constitute an illegal landfilling, since no permit was obtained nor was one applied for. These actions, therefore, constitute a violation of Part 360.2a of 6NYCRR.

Also, Part 360.8(a)(21) states that the owner/operator of an active/inactive facility either with/without a permit under this part shall...maintain such facility so as to prevent adverse environmental or health impacts such as, but not limited to, contravention of surface or groundwater quality standards, gas migration, odors and vectors. Therefore, the Department requires that the materials buried by your client (barrels and contaminated soil) must be removed to a licensed landfill in order to mitigate any potential hazards. Therefore, the Department is insistant that a Consent Order be entered into in which Respondent would agree to rectify the present situation.

The Department is also willing to modify the Consent Order to include a paragraph that would basically state the following:

> By consenting to the form and entry of this Order, Respondent does not admit any violation of the Environmental Conservation Law ("ECL") or the rules and regulations promulgated thereunder. However, Respondent joins with the Department in its desire to resolve this matter amicably and does hereby agree to adhere to the conditions of this Order.

I will look forward to hearing from you by the end of this month in response to this letter. If we do not receive a response by that time, we will assume you are not willing to consent to our offer. Formal legal proceedings will then be instituted by the Department to obtain the necessary remediation and appropriate penalities.

Very truly yours,

Laura Zeisel
Regional Attorney
Region 3

By: Abby M. Snyder
Legal Assistant

LZ:AMS:mc
Enclosure

bcc: T. Washburn/M. Murray/P. Barton w/enc.
R. Gardineer w/enc.
File w/enc.
P.D.K/Chron w/out enc.
Suspense: Nov. 30, 1982 w/out enc.

(NYSDEC, 1982c)

Tejaco Inc.
1000 Westchester Ave.
Harrison, N.Y. 10528

Attn: Roy Jacobs

Re: Royal Carting Service
In Place Toxic Site #314011

Dear Mr. Jacobs,

As I have not received any information from you since our phone conversation last month, I shall reiterate my request.

As mandated by Article 27, Title 13 Section 27-1307 of the Environmental Conservation Law, please submit to me within thirty (30) days, copies of contracts between Tejaco and Royal Carting Service for the removal and disposal of waste products generated by the Brewster Tejaco Research Center for the period 1955 through 1965.

If you have any questions regarding submission of this information, you may contact Rich Gardiner or myself at 761-6660.

Very truly yours

John Doty
Regional Toxic Substance
Control Unit

cc: J. Hill - D.C.H.D.
R. Gardiner
Site Investigation Section
bcc: P. Keller

(Pagones, Cross & Van Tuyl, 1981)

PAGONES, CROSS & VAN TUYL, P.C.
ATTORNEYS AND COUNSELLORS AT LAW
855 MAIN STREET
P. O. BOX 230
BEACON, NEW YORK 12508
TELEPHONE (914) 831-2900

ANTHONY L. PAGONES
FRANCOIS R. CROSS
JENNIFER L. VAN TUYL
JAMES D. PAGONES

BRANCH OFFICE:
ROBERT MARK OFFICE BLDG. No. 2
ROUTE 52 - P. O. BOX 299
HOPEWELL JUNCTION, NEW YORK 12533
TELEPHONE (914) 897-4100

November 18th, 1981

New York State Dept. of
Environmental Conservation
202 Mamaroneck Avenue
White Plains, New York 10601

ATTENTION: Mr. John Doty,
Principal Engineering Technician

RE: In Place Toxic Site #314011

Dear Mr. Doty:

This will acknowledge receipt of your letter of November 16, 1981 relative to the above to my client, Emil Panichi, c/o Royal Carting Co., and to confirm your scheduled visit on November 23rd, 1981.

We want to emphasize at this time that Mr. Panichi and Royal Carting Co. are in no way responsible for the placing of the material in question at the present site. The contents of the drums apparently emanated at the Texaco laboratory in Glenham, New York. The drums were deposited at the present location at some time in the 1960's, at a time that the property was owned by the predecesor in title.

It is to be understood that our consent to your intended visit is not an acknowledgement or admission on our part of any responsibility for said material and its final disposition.

Very truly yours,

PAGONES, CROSS & VAN TUYL, P.C.

ANTHONY L. PAGONES
ALP:am

(Poughkeepsie Journal, 1982)

Received from Frank Armstrong 4/26/83

Poughkeepsie Journal—5D

Material in Hopewell found 'non-hazardous'

HOPEWELL JUNCTION — The 200 55-gallon drums stored at the Royal Carting site on Route 82 contain non-hazardous materials, according to test results.

The tests were performed for the Dutchess County Department of Health by the Camo Pollution Control laboratory in Hyde Park, which released the results Friday.

Jack Hill, county public health administrator, said that although the material — a solid petroleum product — is not harmful, he would recommend that the drums be removed from the refuse hauler's property.

"They should go to a landfill," said Hill.

The test findings mean the drums and their contents can be dumped in any operating landfill in Dutchess County, Hill said.

The health department had reported earlier that the drums originally came from a Texaco research facility in Glenham, near Beacon.

Sunday, January 31, 1982

(USEPA, 1979)

EPA

POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION: II

SITE NUMBER (to be assigned by Hq): NY000010125

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (*Preliminary Assessment*). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (*EN-335*); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: Royal Carting Service

B. STREET (or other identifier): Rte 82

C. CITY: East Fishkill

D. STATE: NY

E. ZIP CODE: 12524

F. COUNTY NAME: Dutchess.

G. OWNER/OPERATOR (if known)

1. NAME: Royal Carting Service

2. TELEPHONE NUMBER:

H. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION: Remote setting. No leachate.

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.):

K. DATE IDENTIFIED (mo., day, & yr.):

L. PRINCIPAL STATE CONTACT

1. NAME: Jack Doty - NYS DEC White Plains

2. TELEPHONE NUMBER: (212) 428-5927

II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☒ 2. MEDIUM ☐ 3. LOW ☐ 4. NONE ☐ 5. UNKNOWN

B. RECOMMENDATION

☐ 1. NO ACTION NEEDED (no hazard)

☐ 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☒ 3. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED (low priority)

C. PREPARER INFORMATION

1. NAME: M. Hauptman

2. TELEPHONE NUMBER: (212) 264-1375

3. DATE (mo., day, & yr.): 8-22-81

III. SITE INFORMATION

A. SITE STATUS

☐ 1. ACTIVE (*Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.*)

☐ 2. INACTIVE (*Those sites which no longer receive wastes.*)

☒ 3. OTHER (specify): (*Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.*)

B. IS GENERATOR ON SITE?

☐ 1. NO ☐ 2. YES (specify generator's four-digit SIC Code):

C. AREA OF SITE (in acres): 5

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE (deg.-min.-sec.):

2. LONGITUDE (deg.-min.-sec.):

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☐ 2. YES (specify):

T2070-2 (10-79)

Continue On Reverse

Continued From Front

IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

	A. TRANSPORTER		B. STORER		C. TREATER		D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE	X	3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

V. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1. UNKNOWN ☒ 2. LIQUID ☐ 3. SOLID ☒ 4. SLUDGE ☐ 5. GAS

B. WASTE CHARACTERISTICS

☒ 1. UNKNOWN ☐ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4. RADIOACTIVE ☐ 5. HIGHLY VOLATILE
☐ 6. TOXIC ☐ 7. REACTIVE ☐ 8. INERT ☐ 9. FLAMMABLE

☐ 10. OTHER (specify): _____

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT 300	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE 55 gal drums	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
☐ (1) PAINT, PIGMENTS	☐ (1) OILY WASTES	☐ (1) HALOGENATED SOLVENTS	☐ (1) ACIDS	☐ (1) FLYASH	☐ (1) LABORATORY PHARMACEUT.
☐ (2) METALS SLUDGES	☐ (2) OTHER (specify):	☐ (2) NON-HALOGNTD. SOLVENTS	☐ (2) PICKLING LIQUORS	☐ (2) ASBESTOS	☐ (2) HOSPITAL
☐ (3) POTW		☐ (3) OTHER (specify): unknown	☐ (3) CAUSTICS	☐ (3) MILLING/ MINE TAILINGS	☐ (3) RADIOACTIVE
☐ (4) ALUMINUM SLUDGE			☐ (4) PESTICIDES	☐ (4) FERROUS SMLTG. WASTES	☐ (4) MUNICIPAL
☐ (5) OTHER (specify):			☐ (5) DYES/INKS	☐ (5) NON-FERROUS SMLTG. WASTES	☐ (5) OTHER (specify):
			☐ (6) CYANIDE	☐ (6) OTHER (specify):	
			☐ (7) PHENOLS		
			☐ (8) HALOGENS		
			☐ (9) PCB		
			☐ (10) METALS		
			☐ (11) OTHER (specify)		

Continued From Page 2

V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

contains hundreds of 55 gallon drums from Texaco(?) and IBM(?)

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER	X			Sprout Creek
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

Continued From Front

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

☐ 1. NPDES PERMIT ☐ 2. SPCC PLAN ☐ 3. STATE PERMIT (specify): _____
☐ 4. AIR PERMITS ☐ 5. LOCAL PERMIT ☐ 6. RCRA TRANSPORTER
☐ 7. RCRA STORER ☐ 8. RCRA TREATER ☐ 9. RCRA DISPOSER

☒ 10. OTHER (specify): _____

B. IN COMPLIANCE?

☐ 1. YES ☐ 2. NO ☑ 3. UNKNOWN

4. WITH RESPECT TO (list regulation name & number): _____

VIII. PAST REGULATORY ACTIONS

☐ A. NONE ☐ B. YES (summarize below)

IX. INSPECTION ACTIVITY (past or on-going)

☐ A. NONE ☒ B. YES (complete items 1,2,3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
inspection	1-30-81	State	

X. REMEDIAL ACTIVITY (past or on-going)

☐ A. NONE ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.

cc Helen Log
HQ

ORIG

EPA POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION

REGION: 2 | SITE NUMBER: NY 10125

NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.

A. SITE NAME	B. STREET (or other identifier)		
ROYAL CARTING SERVICE	ROUTE 82 E. FISHKILL		
C. CITY	**D. STATE**	**E. ZIP CODE**	**F. COUNTY NAME**
EAST FISHKILL	NY	—	DUTCHESS

G. OWNER/OPERATOR (If known)

1. NAME: SAME
2. TELEPHONE NUMBER:

H. TYPE OF OWNERSHIP (If known)

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION

5 ACRE

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)

UPDATE NYS LIST OF HAZARDOUS WASTE DISP. SITES

K. DATE IDENTIFIED (mo., day, & yr.)

04/14/80

L. SUMMARY OF POTENTIAL OR KNOWN PROBLEM

100'S OF DRUMS, MANY FULL OF UNKNOWN CONTENTS

M. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE (mo., day, & yr.)
ERNST SCHMALZ	FTS 264-1573	10-30-80

EPA Form 2070-8 (5-80)

(USEPA, 1981)

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 000010125

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Royal Carting Service	Route 82				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
East Fishkill	NY	12524	Dutchess	027	
09 COORDINATES LATITUDE: ___ ___ ___ . ___	LONGITUDE: ___ ___ ___ . ___				

10 DIRECTIONS TO SITE (Starting from nearest public road)

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)			
Royal Carting Service	Route 82			
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 TELEPHONE NUMBER**	
East Fishkill	NY		( )	
07 OPERATOR (If known and different from owner)	**08 STREET** (Business, mailing, residential)			
09 CITY	**10 STATE**	**11 ZIP CODE**	**12 TELEPHONE NUMBER**	
			( )	

13 TYPE OF OWNERSHIP (Check one)
☑ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: ___ / ___ / ___ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___ / ___ / ___ (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☑ YES DATE 1 / 20 / 80 (MONTH DAY YEAR)
☐ NO

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☑ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)
☐ A. ACTIVE ☐ B. INACTIVE ☒ C. UNKNOWN

03 YEARS OF OPERATION
BEGINNING YEAR: _____ ENDING YEAR: _____ ☒ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
1 acre site with hundreds of 55 gallon drums from Texaco(?) and IBM(?). Remote setting, No leachate. Unknown chemicals.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☑ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)		03 TELEPHONE NUMBER
Jack Doty	NYS DEC		(212) 488-5367
04 PERSON RESPONSIBLE FOR ASSESSMENT	**05 AGENCY**	**06 ORGANIZATION**	**07 TELEPHONE NUMBER**	**08 DATE**
M. Hauptman	USEPA	Hazardous Waste Unit	(212) 264-1575	8 / 28 / 81 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☑ C. SLUDGE
- ☐ D. OTHER (Specify) _____
- ☐ E. SLURRY
- ☑ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measure of waste quantities must be independent)

- TONS _____
- CUBIC YARDS _____
- NO. OF DRUMS 200

03 WASTE CHARACTERISTICS (Check all that apply)

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	300	DR	
OLW	OILY WASTE	300	DR	
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State files

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE: NY | 02 SITE NUMBER:

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☑ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
Sprout Creek

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) 04 NARRATIVE DESCRIPTION

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

APPENDIX C
UPDATED NEW YORK STATE REGISTRY FORM

HAZARDOUS WASTE DISPOSAL SITES REPORT
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Code: 8

Site Code: 314011

Name of Site: Royal Carting Service **Region:** 3

County: Dutchess **Town/City** Hopewell Junction, & Fishkill

Street Address Route 82, & Fishkill

Status of Site Narrative:

From 1950 to 1962 hundreds of 35 and 55 gallon drums of non-hazardous waste chemicals from the Texaco Research Center were brought to the disposal site. These drums have since been removed but it is unknown what, if any additional wastes have been buried on the site.

Type of Site: Open Dump [X] Landfill [ ] Structure [ ] Treatment Pond(s) [ ] Lagoon(s) [ ] Number of Ponds_____ Number of Lagoons_____

Estimated Size 5 **Acres**

Hazardous Wastes Disposed? **Confirmed** [ ] **Suspected** [X]

***Type and Quantity of Hazardous Wastes:**

TYPE	QUANTITY (Pounds, drums, tons, gallons)
Unknown.	

*** Use additional sheets if more space is needed.**

Name of Current Owner of Site: Emile Panichi

Address of Current Owner of Site: Rt. 82, East Fishkill 12524

Time Period Site Was Used for Hazardous Waste Disposal:

_____, 19 50 **To** _____, 19 62

Is site **Active** ☐ **Inactive** ☐
(Site is inactive if hazardous wastes were disposed of at this site and site was closed prior to August 25, 1979)

Types of Samples: **Air** ☐ **Groundwater** ☐ **None** ☐
Surface Water ☐ **Soil** ☐ Wastes X

Remedial Action: **Proposed** ☐ **Under Design** ☐
In Progress ☐ **Completed** ☒
Nature of Action: Non-hazardous wastes were removed from site.

Status of Legal Action: None **State** ☐ **Federal** ☐

Permits Issued: **Federal** ☐ **Local Government** ☐ **SPDES** ☐
Solid Waste ☐ **Mined Land** ☐ **Wetlands** ☐ **Other** ☒ Wastes Transport Permit

Assessment of Environmental Problems:

It is not known what, if any, additional wastes have been disposed of at the site.

Assessment of Health Problems:

Site lies immediately adjacent to wetland areas associated with Sprout Creek, and a tributary to the Creek lies about 100' from the site. Soils in the area have a fairly rapid permeability ($>10^{-3}$ cm/sec) and depth to ground water is approximately 18 feet. Based on these features any hazardous materials which may be stored at the site would pose severe threats to ground and surface water systems.

Persons Completing this Form:

C. Mancini

Woodward-Clyde Consultants

6 Sept. 1983

New York State Department of Environmental Conservation

Date_____

New York State Department of Health

6/3/81
RPM:cl